Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/17/2018 11:26 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124257	-1	2.15	124276	2.15
Blue	F	SSC	125000	123539	-2	3.91	124311	3.94
Blue	E	FITC	15492	15012	-4	3.80	348	21.54
Blue	D	PE	28736	27898	-3	3.14	615	16.12
Blue	B	PerCP-Cy5-5	41413	41237	-1	4.58	1127	22.10
Blue	A	PE-Cy7	31321	31480	0	7.08	568	46.96
Red	C	APC	41673	40648	-3	3.06	1570	13.75
Red	A	APC-Cy7	29962	29310	-3	2.99	734	13.97
Violet	B	V450	8318	7819	-6	4.57	435	14.44
Violet	A	V500	34199	33329	-3	4.24	804	11.21

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20258	3.65	603	-10	N/A	N/A	Pass
Blue	F	SSC	55949	3.41	572	4	N/A	N/A	Pass
Blue	E	FITC	58	72.23	554	-7	0.0164	149	Pass
Blue	D	PE	123	57.16	553	-7	0.1417	318	Pass
Blue	B	PerCP-Cy5-5	212	54.95	660	-7	0.0082	106	Pass
Blue	A	PE-Cy7	111	116.63	715	-7	0.0094	24	Pass
Red	C	APC	360	28.95	603	2	0.0179	90	Pass
Red	A	APC-Cy7	182	31.63	578	2	0.0047	1162	Pass
Violet	B	V450	64	71.48	469	-8	0.0482	2675	Pass
Violet	A	V500	114	37.07	488	-6	0.0193	789	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.79	-32.51	1.15
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.49
Red	16.74	13.60 - 20.40	N/A	N/A	29.81	30.11	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9685

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments